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Dear Colleague,

Please find attached the **Summary of Communicable Diseases for the Month of April 2006.** This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of April 2006.

Communicable Diseases

In total, there were **295** new infections occurring across 22 communicable diseases** (excluding sexually transmitted infections and HIV) in April 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Amebiasis (7 cases observed; expected range = 0-6 cases), Diphyllobothrium (2 cases observed; expected range = 0-1 cases), and Lyme Disease (1 case observed; 0 cases expected). The expected number of cases and accompanying range is based on the number of cases during March, April, and May 2001-2005.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **424** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in April: 291 cases of chlamydia (Ct), 92 cases of gonorrhoea (GC), 39 GC-Ct co-infections, and 2 cases of syphilis. More than 60% of all GC and Ct cases in the province were reported among youth aged 15-24 years. Half of all GC and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 17.6% were from the Burntwood health region.

In April **16** individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. More than two-thirds of the cases were among males, mostly in the 40-59 year age groups.

Four Manitobans tested positive for HIV in April 2006, all of whom were male.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,

Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR April 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	3	7	3	0-6	11	17
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.9	BAC. MENINGITIS - OTHER	1		0	0-1	1	
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	2	
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS		1	1	0-4	1	2
008.43	CAMPYLOBACTER	36	17	17	2-32	77	52
558.2	CLOSTRIDIUM DIFFICILE	59	109		***	67	430
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	4	1	3	0-7	5	7
065.4	DENGUE FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP		2	0	0-1	1	2
008.0	E. COLI-VEROTOXIGENIC	1	7	4	0-11	7	12
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	7	8	9	3-15	21	32
041.5	H.I.B.-NON MTGS			1	0-3		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	1	1	2	0-10	8	5
070.3	HEPATITIS B		1	1	0-2		3
070.51	HEPATITIS C	36	16	49	1-97	144	82
054.8	HERPES-W-UNSPEC COMPL			0	0-0		4
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY		1	0	0-1		1
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	1	
088.81	LYME DISEASE		1	0	0-0		1
084	MALARIA	1		1	0-3	2	2
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			1	0-3	2	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			1	0-3	2	
B95.6	MRSA/VRSA	74	84	42	0-88	302	449
072.9	MUMPS			0	0-1	1	
036.89	N.MENINGITIDIS OTHER			0	0-1	2	2
728.86	NECROTIZING FASCIITIS	2		0	0-1	3	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	4		3	0-8	16	2
038.2	PNEUM. SEPTICEMIA	5	11	7	0-14	32	24
073.9	PSITTACOSIS			0	0-1		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	3		1	0-4	8	1
003.0	SALMONELLA	10	9	14	6-22	41	50
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	1	0-3	6	5
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS		1	0	0-1		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK	1		0	0-1	2	
481	STREPTOCOCCUS PNEUMONIAE			1	0-3	1	
127.2	STRONGYLOIDES			0	0-1		
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-5		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	6	2	2	0-5	10	12
011	TUBERCULOSIS - RESP.	9	8	7	3-11	32	31
010	TUBERCULOSIS-PRIM.	1	3	2	0-6	1	12
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	4		***	18	15
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-0		
047.1	VIRAL MENINGITIS-ECHO			1	0-3		2
047.8	VIRAL MENINGITIS-ENTERO				***		1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	3	4
		272	**295**			**832**	**1267**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR April 2006

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gender	
006.9	AMEBIASIS											2					1	1	1		1		1		7
005.2	C. PERFRINGENS															1									1
008.43	CAMPYLOBACTER				4		1			1	2	2		1	1		1	2					2		17
558.2	CLOSTRIDIUM DIFFICILE	1		1		1	1				3					7	3	7	5	4	4	38	34		109
007.8	CRYPTOSPORIDIOSIS				1																				1
123.4	DIPHYLLOBOTHRIUM										1						1								2
008.0	E. COLI 0157							1	1	1							1	3							7
007.1	GIARDIA LAMBLIA			1	2	1	1	1													1		1		8
070.1	HEPATITIS A																	1							1
070.3	HEPATITIS B												1												1
070.51	HEPATITIS C												1			3	2	2	3		4		1		16
030.9	LEPROSY																					1			1
088.81	LYME DISEASE																				1				1
B95.6	MRSA/VRSA		2	2	2	5	4	4	1	2	4	2	3	2	2	5	4	4	3	2	1	11	19		84
003.0	SALMONELLA				2				3				1	1		1				1					9
004	SHIGELLOSIS				1																				1
711.0	STREP. PNEUM.ARTHRITIS																			1					1
038.2	STREP.PNEUMOCOCCAL SEPTIC												2					1	1	2		3	2		11
013	TUBERCULOSIS - NON-RESP.									1									1						2
011	TUBERCULOSIS - RESP.													1	1	1	2	1	2						8
010	TUBERCULOSIS-PRIM.			1				1										1							3
B96.8	VANCOMYCIN RES. ENTER.																			1		1	2		4
		1	2	5	12	7	7	7	5	5	10	6	8	5	4	18	15	23	16	11	12	54	62		295

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR April 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
	*Case Referred to:**			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	6					1																7
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	4	2		1				1		4		4		1								17
558.2	CLOSTRIDIUM DIFFICILE	61	4	1	1		4		10		7		7		8		1	1	1	1		2	109
007.8	CRYPTOSPORIDIOSIS										1												1
123.4	DIPHYLLOBOTHRIUM						1				1												2
008.0	E. COLI 0157	5							1				1										7
007.1	GIARDIA LAMBLIA	5					1								1		1						8
070.1	HEPATITIS A	1																					1
070.3	HEPATITIS B										1												1
070.51	HEPATITIS C	9			2				1		3								1				16
030.9	LEPROSY	1																					1
088.81	LYME DISEASE										1												1
B95.6	MRSA/VRSA	34	2	1	2					1	1	1	2		2	5	7	23	3				84
003.0	SALMONELLA	6	1										1									1	9
004	SHIGELLOSIS	1																					1
711.0	STREP. PNEUM.ARTHRITIS												1										1
038.2	STREP.PNEUMOCOCCAL SE PTIC	4	1		1						1		2		1				1				11
013	TUBERCULOSIS - NON-RESP.	1																			1		2
011	TUBERCULOSIS - RESP.																	8					8
010	TUBERCULOSIS-PRIM.																	3					3
B96.8	VANCOMYCIN RES. ENTER.	1							1		1				1								4
		140	**10**	**2**	**7**		**7**		**14**	**1**	**21**	**1**	**18**		**14**	**5**	**9**	**35**	**6**	**1**	**1**	**3**	**295**
Missing Investigation Forms (Jan.1 to end of March)		82	6	1	1		3	1	4	1	4		10					1	4				118

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - April 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	361	330	1325	1442
All Gonorrhea Infections (including PRNG)	99	131	315	553
All Syphilis Infections	7	2	26	18
Gonorrhea & Chlamydia Co-infections	47	39	147	184
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	10	4	35	29

Total Number of STD Cases by Age and Gender - April 2006

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total
Disease Name	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**		
Chlamydia Only Cases					1		4	2	59	31	65	39	29	14	16	21	2	5		2		1		291
Gonorrhea Only Cases							1		12	9	10	14	3	9	7	12		8		3		4		92
Syphilis Only Cases																		1		1				2
GC and CT Cases									11	4	10	3		2	2	5		1		1				39
					1		5	2	82	44	85	56	32	25	25	38	2	15		7		5		424
HIV												1		2		1								4

Regional STD Distribution - April 2006

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***				
All Chlamydia Infections	152	17	5	5		4	4	12	1	32		7		8	7	18	38	17	1	2		330
All Gonorrhea Infections	78		3	1		1	1	2		6		1				8	22	7	1			131
All Syphilis Infections	2																					2
GC and CT Infections	15		1			1		1		5						6	8	2				39

Missing Investigation Forms (Jan.1 to end of March)	57	5	6	2		1	5	7		4		4		2	9	4	21	3				130

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction